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in the Lick Observatory. His time will be devoted to work in the spectroscopic department.

Miss LEAH ALLEN, of Brown University, Providence, Rhode Island, has been appointed Carnegie Assistant with duties in the measurement and reduction of spectrograms.

MT. HAMILTON, September 23, 1907. W. W. CAMPBELL.

EPHEMERIDES FOR THE WATSON ASTEROIDS.

In accordance with the intention expressed in *Lick Observatory Bulletin* No. 114, to provide regularly ephemerides for coming oppositions of the various asteroids discovered by WATSON, as far as the progress made in determining their elements and first order perturbations by *Jupiter* may permit, ephemerides were computed by Miss GLANCY from the elements and perturbations derived under my direction in the Berkeley Astronomical Department, for the recent oppositions of (103) *Hera* and (179) *Klytæmnestra*. Unfortunately, these ephemerides were not completed in time for publication in a *Lick Observatory Bulletin*. A photographic position of *Hera* was secured, however, by Miss GLANCY, at this observatory on June 14th, and requests for observations of (179) were sent to Director CAMPBELL, of the Lick Observatory, and to Admiral WALKER, Superintendent of the United States Naval Observatory.

At the Lick Observatory three observations were secured by Mr. DUNCAN, on September 18th, 19th, and 20th, and Professor EICHELBERGER, of the Naval Observatory, has communicated to me a correction to the ephemeris of (179), based on an observation by Mr. HAMMOND, taken September 23d. In each case the ephemerides were given to 1^s and $0'.1$. The agreement between theory and observation is far better than was expected. The correction to the ephemeris of (103) on June 14th, is $+0^s.6$ and $-0'.3$. The correction to the ephemeris of (179), communicated by Professor EICHELBERGER for September 23d, is $+2^s$ and $-0'.1$. The mean correction, however, to the ephemeris of (179) from the Lick observations, September 19th, is 0^s and $-0'.1$.

The last opposition upon which the elements of (179) are based occurred eight years ago. A. O. LEUSCHNER.

BERKELEY ASTRONOMICAL DEPARTMENT, Oct. 2, 1907.